Welcome to the
3rd International Symposium on Resilient Control Systems

Craig Rieger, Symposium Chair

August 10-12, 2010

Idaho Falls, Idaho

Symposium Co-sponsors

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Enhancements from 2ⁿᵈ Symposium

- Two Additional Tracks
  - Complex Networked Control Systems (Chair: Prof. YangQuan Chen, Utah State University)
  - Data Fusion (Prof. Devendra Garg, Duke University)
- Parallel Sessions
  - Tutorial/Workshop Sessions, including interactive presentations that combine track elements
  - Paper Sessions, including several special sessions in Intelligent Systems and Industrial Perspectives
- Panel Discussions
  - Roundtable in Human Systems that includes Research and Industrial Perspectives
  - Complex Networked Control System Interdependencies and the Role of the Human

Proceedings

- A proceedings CD was provided for registrants
- Videos of keynote addresses and hard copy presentations will be posted on the symposium website (https://www.inl.gov/isrcs)
- Copies of session presentations will also be posted on the symposium website

Agenda and Logistics

Margie Jeffs, Symposium Facilitator

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Agenda Overview for Symposium

- Tuesday, August 10 - Tutorials and Workshops
  - 8:00 a.m. Registration
  - 8:15 a.m. Welcome, Introductions and Logistics
  - 8:30 a.m. Keynote 1: Dr. Chitra Venkatramani, IBM
  - 9:30 a.m. BREAK
  - 10:00 a.m. Session 1
    - Track 1: Tutorial on Prognostics and Health Management
    - Track 2: Workshop on Universal Laws, Architectures, and Behaviors of Robust, Evolvable Networks
    - Track 3: Formally Modeling the Human Element and Its Impact on Control Systems Resiliency
  - 11:30 a.m. Lunch Break (*no-host*)
  - 1:00 p.m. Session 2 (continuation)
    - Track 1: Tutorial on Prognostics and Health Management
    - Track 2: Workshop on Universal Laws, Architectures, and Behaviors of Robust, Evolvable Networks
    - Track 3: Formally Modeling the Human Element and Its Impact on Control Systems Resiliency
  - 2:30 p.m. BREAK
  - 3:00 p.m. Session 3 (continuation)
    - Track 1: Tutorial on Prognostics and Health Management
    - Track 2: Workshop on Universal Laws, Architectures, and Behaviors of Robust, Evolvable Networks
  - 4:30 p.m. Adjourn for the day
  - 6:00 p.m. Symposium Chair Working Dinner (special invitation only)

Agenda Overview for Symposium

ISRCS 2010

- Wednesday, August 11 - Papers and Presentations
    - 8:15 a.m. Daily Agenda
    - 8:30 a.m. Keynote 2: Prof. Bogdan Wilamowski, Auburn University
    - 9:30 a.m. BREAK
    - 10:00 a.m. Session 1
        - Track 1: Complex Networked Control Systems and Resilience
        - Track 2: Open Symposium: The Mermos Human Reliability Method for Resilience
        - Track 3: Robotics and Mechatronics
        - Track 4: Data Fusion Applications
    - 11:30 a.m. Hosted Working Lunch
    - 12:00 p.m. Keynote 3: Dr. Floyd (Ben) Cole III, National Security Agency
    - 1:00 p.m. Session 2
        - Track 2: Special Presentation: Model of Resilience in Situations (MRS),
        - Track 3: Part 2, Robotics and Mechatronics
    - 2:30 p.m. BREAK
    - 3:00 p.m. Session 3
        - Track 1: Industrial Perspective on Resilient Control Systems
        - Track 2: Roundtable: Reconciling Resilience and Reliability
        - Track 3: Resilient Coordination Over Sensing & Communication Networks
    - 4:30 p.m. Adjourn until social at Mountain River Ranch
    - 5:15 p.m. Pick up attendees at hotels
    - 5:30 p.m. Leave for Mountain River Ranch
    - 6:15 p.m. Arrive at Mountain River Ranch
    - 8:30 p.m. Depart Mountain River Ranch to return to hotels
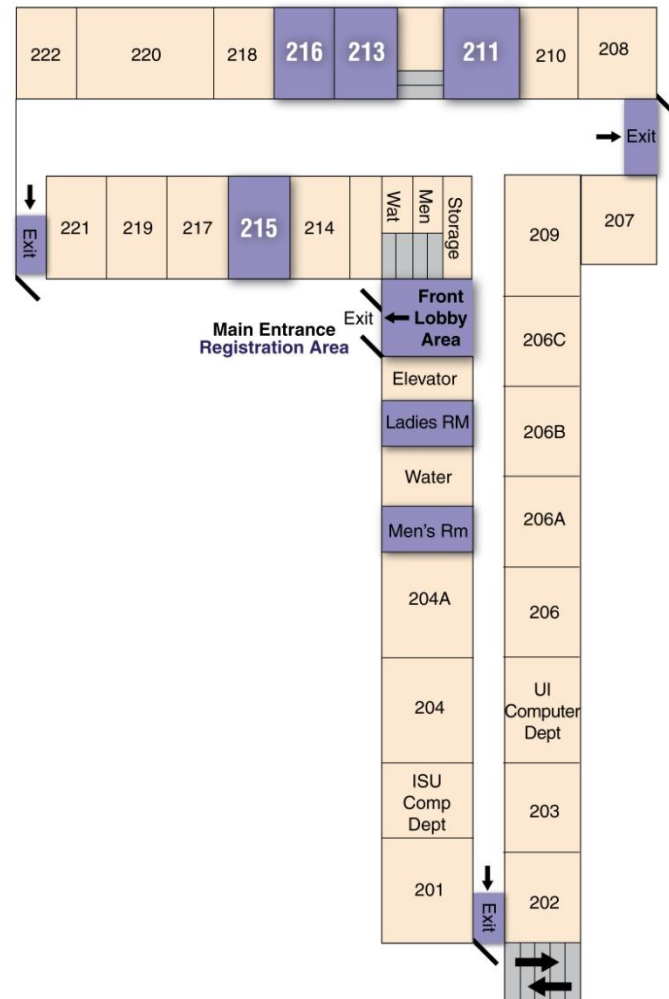
Agenda Overview for Symposium

- Thursday, August 12 - Panel Discussions
  - 8:15 a.m. Daily Agenda
  - 8:30 a.m. Keynote 4: Prof. Mo-Yuen Chow, North Carolina State University
  - 9:30 a.m. BREAK
  - 10:00 a.m. Panel Discussion: Complex Network Control System Interdependencies and the Role of the Human, Both Beneficial and Malicious
  - 11:50 a.m. Symposium Conclusion
  - 12:00 p.m. Adjourn

Symposium Rooms, Restrooms and Exits

Main Level 2

Parking and Transportation

- Symposium attendees can park for free

- Shuttle transportation is available from hotels:
    - AmeriTel Inn: (208) 523-1400
    - LeRitz Hotel and Suites: (208) 528-0880
    - Fairfield Inn and Suites: (208) 552-7378
    - Hilton Garden Inn: (208) 522-9500

- If unavailable or an immediate ride is needed, see the registration desk

Special Yellowstone Event Friday

- Spots may still be open to the special, all-day guided tour of Yellowstone Park at a cost of $59. Please see the registration desk.

Symposium Updates and Wireless

- Please join the ISRCS group on Facebook and Twitter to receive symposium updates:
    - http://www.facebook.com/pages/International-Symposium-on-Resilient-Control-Systems/
    - http://www.twitter.com/ISRCS

- University Place IT Staff will now go over how to set up your laptop to access wireless at the symposium